

ABSTRACT

A condenser microphone mountable on a main PCB includes a cylinder-shaped case having opened and closed sides; a first metal ring inserted into the case; a disk-shaped back plate having a sound hole to be connected electrically to the case through the first metal ring; a spacer; an insulating ring to provide electrical insulation and mechanical support. A diaphragm is inserted into the insulating ring and faces the back plate while interposing the spacer between the diaphragm and the back plate. A second metal ring is connected electrically to the diaphragm and mechanically supports the diaphragm, and a PCB is mounted and forms with a sound hole. The PCB is connected to the back plate through the second metal ring and the case, and the PCB includes connection terminals.